



# when it really counts

**LiHD. REVOLUTIONARY BATTERY PACK  
TECHNOLOGY FOR NEW EXTREME PERFORMANCE.**



**WORLD'S  
FIRST**

# metabo®

PROFESSIONAL POWER TOOL SOLUTIONS



## The future needs vision.

Dear Readers,

For years we have been following our vision of the cordless construction site in a consequent and innovative manner. Ever more enduring battery packs and an enormous bandwidth of machines offer you, as professionals, a safe investment for the future with the battery platform used in power tools from Metabo.

Now our engineers have succeeded in a technological quantum leap towards independence from the mains socket. With the completely novel design of the LiHD battery pack, we initiate a technological revolution and are the first and only supplier to boldly go into dimensions which could absolutely not be imagined before: An increased output of up to 67%, paired with a longer run time, sets completely new standards.

On the one hand, we can now finally operate power tools with battery packs, which, due to their power requirements, could previously only ever be imagined as mains-powered, for example, the world's only 230 mm cordless angle grinder, which we will be presenting to the public in May and delivering from 2016. Similarly more extreme applications will now be possible with battery powered machines as they perform at the same level as mains-powered tools. The best example: our new small brushless cordless angle grinder, which has the power of a 1,000 Watt mains-powered machine, and which runs up to twice as long as all machines with standard battery pack systems. This is only the starting point for many new, extremely powerful cordless machines based on LiHD.

By the way: Thanks to our Ultra-M technology, the new LiHD battery packs naturally fit on your existing Metabo cordless machines in use today. You can rely on 100% compatibility. Today and in the future.

Convince yourself by testing the revolutionary power of our LiHD battery packs today.

We are looking forward to receiving your feedback.

Yours



Horst W. Garbrecht  
CEO Metabo



# LiHD - REVOLUTIONARY BATTERY PACK TECHNOLOGY, OPENING UP NEW WORLDS.

1985 – today:

## Optimisation of battery pack endurance (longer run time = more Ah)

What started in the 80s with nickel-cadmium battery packs was revolutionised almost 20 years later with the introduction of the innovative lithium ion technology. Henceforth, we have continued to perfect this technology in terms of run time, so that users on site can drill, drive in screws, cut and grind, all for a longer time. Just one year after the world premiere of the 4.0 Ah battery pack, Metabo managed to set a new standard in terms of endurance with the 5.2 Ah generation.

New from May 2015:

## LiHD – Quantum leap in performance for completely new applications

Now we are starting a technological revolution with the innovative Metabo LiHD battery packs: Not only could the run time be increased by up to 87%, **but with up to 67% more power**. For the first time we enter new dimensions which could not even be imagined for battery packs until now. Now, applications previously reserved for only mains-powered machines, become possible.

**67%  
MORE  
POWER**  
FOR COMPLETELY  
NEW APPLICATIONS



30 years of Metabo battery pack competence: Time for a technological revolution.

**metabo**  
PROFESSIONAL POWER TOOL SOLUTIONS

**LiHD**  
TECHNOLOGY

Li-Ion

NiCd

Metabo milestones

1985

World's largest  
battery pack  
range

1990

First 10 minute  
charger

1994

First capacity display  
with Ah measurement

2004

Patented  
AIR COOLED  
charging  
technology

2005

First battery pack  
machines with Li-Ion  
technology

2012

Introduction 4.0 Ah

2013

Introduction of  
5.2 Ah

2015 Introduction LiHD



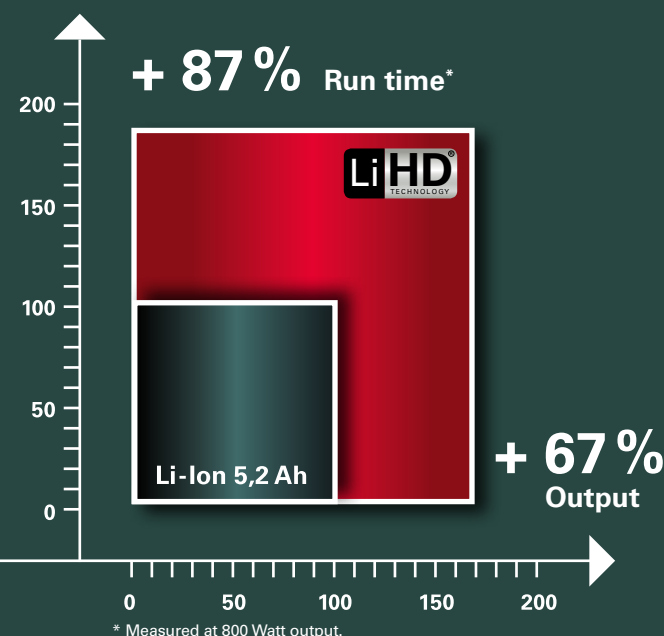
# LiHD: NEVER HAS HIGH PERFORMANCE BEEN SO COMPACT.

A milestone in battery pack technology.

- **67 % more power** – permits completely new applications with battery powered machines
- **87 % longer run time** – for even more endurance
- **100 % longer service life** – makes your investment even safer
- **Makes applications possible under most demanding conditions**, which had previously been reserved only for powerful mains-powered machines.
- **New definition of independence:** a milestone along the path towards a cordless construction site
- **100 % compatible** and fits all current and future cordless machines from Metabo



**LiHD – a completely new dimension in technology:**  
The combination of new high-performance battery cells and completely newly developed components in the pack ensure that maximum power remains available for an extremely long time: Metabo has perfected this revolutionary battery pack technology to its pinnacle.

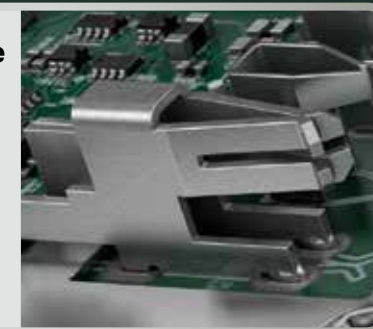


**Revolutionary LiHD high-performance cells:**  
Completely new electromechanical design with significantly stronger conductors, which in combination with more active material, permit a

- significant increase in the accessible power output
- resulting in more usable energy for you

**67 %  
MORE  
POWER**

**Massive power rails capable of handling high currents,** enlarged contact and cell connectors made from a special CU alloy, conduct the current with reduced losses.



**100% compatibility**  
with all current and future cordless machines from Metabo.

## Proven solutions

- AIR COOLED charging technology for shorter charging time
- Electronic Single Cell Protection for longer service life
- Capacity display for monitoring charge level

## Also available as compact battery pack with LiHD 3.1 Ah

Maximum performance from minimalist design



**100 %  
MORE  
SERVICE LIFE**

## Increased service life thanks to:

- **less frequent charging** thanks to greater useable energy
- **significantly lower heat generation** for protection of the cells

**87 %  
MORE  
RUNTIME**

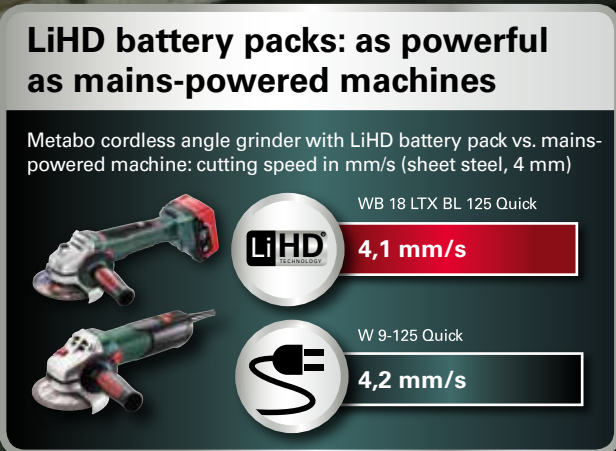
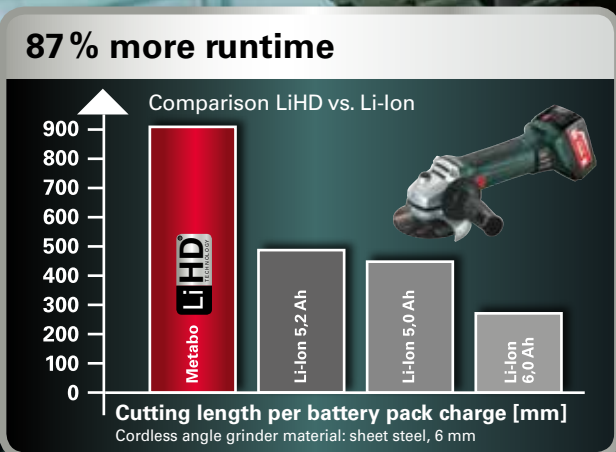
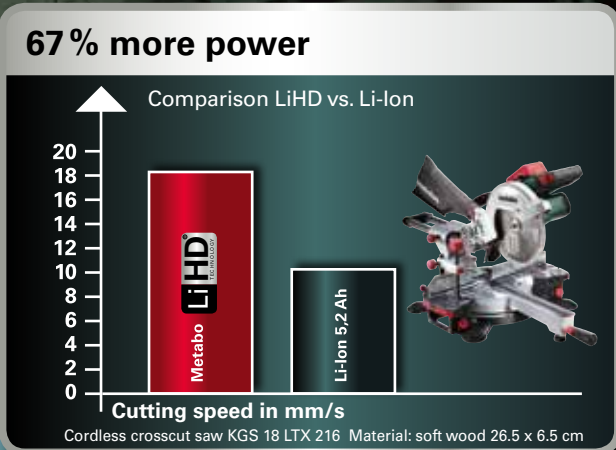
## Increased run time thanks to:

- an increase in **active cell material**
- **high-quality materials** (silver and copper) in combination with stronger conductors - this permits a more efficient energy flow



More information about the Metabo LiHD technology can be found at [www.metabo.com](http://www.metabo.com)





**New applications become possible:**  
e.g. the new, large cordless angle grinder in 36 Volt LiHD technology\*: as powerful as a 2,400 Watt mains-powered angle grinder.

\* available from the beginning of 2016.



# 100 % COMPATIBLE. AS PROMISED.



**Ultra-M Technology**  
Perfect interaction  
between machine,  
battery pack and  
charger.



**100% compatibility**  
with all Metabo cordless  
machines yesterday,  
today and in the future.



**3 year battery pack warranty**  
3 years on all Li-Ion and  
LiHD battery packs.



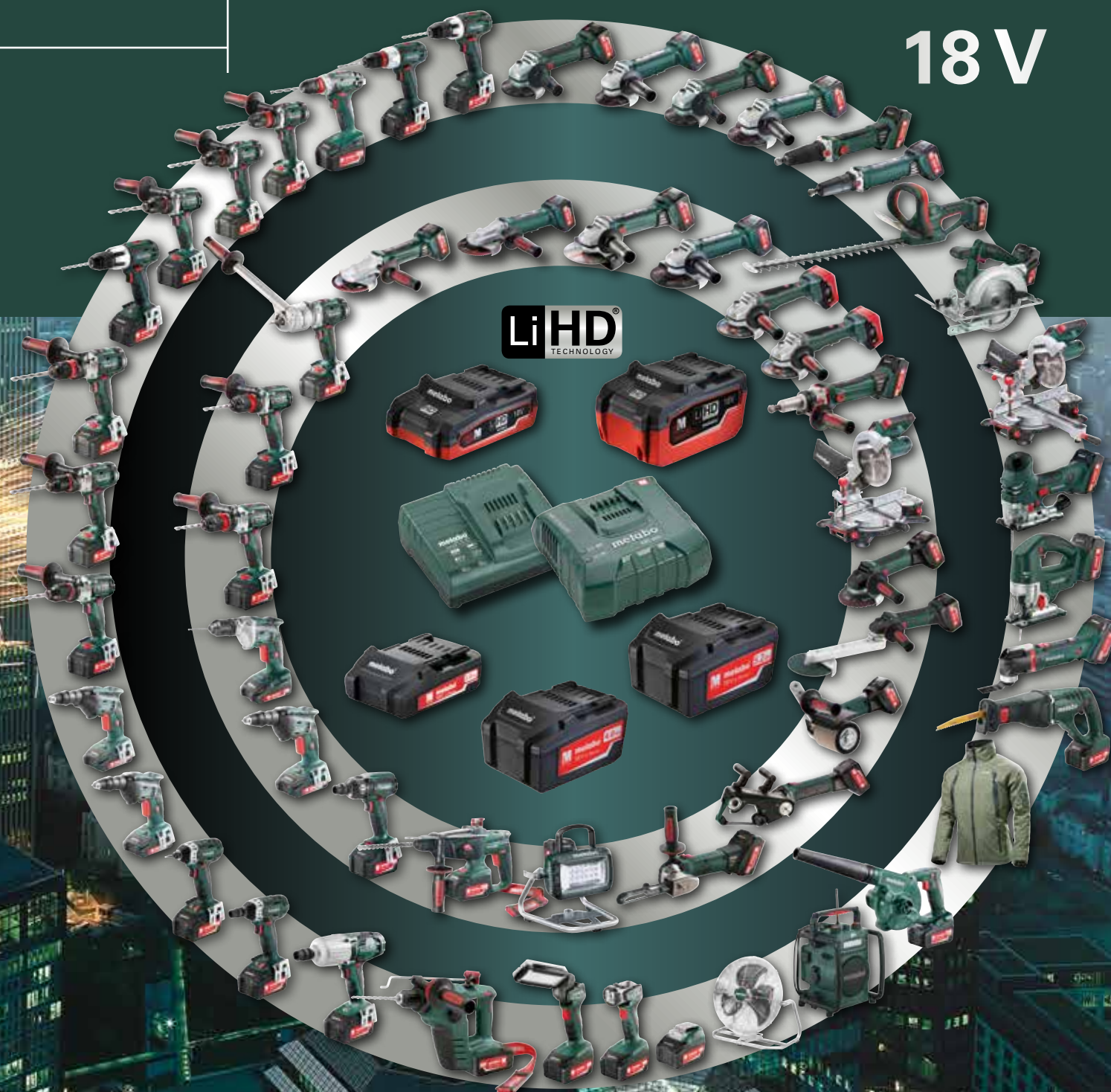
**Unlimited flexibility.**  
Select only what you  
need and save money!

**LiHD**  
TECHNOLOGY



**LiHD battery packs**  
■ LiHD 6.2 Ah  
■ LiHD 5.5 Ah  
■ LiHD 3.1 Ah

## 18V





# ACCESS THE FUTURE TODAY WITH US.

Here is just a small selection of the various combinations of Metabo cordless machines and LiHD battery packs. Ask your dealer for further offers!



## 18 Volt Cordless Combination Hammer

### KHA 18 LTX

- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.

#### Scope of delivery

Soft Grip side handle, drill depth guide, carry strap, 2 LiHD battery packs (18 V/3.1 Ah), ASC 30-36 V "AIR COOLED" charger, plastic carry case

Technical data	KHA 18 LTX
Drill Ø concrete/steel/soft wood	24/13/25 mm
Max. single blow energy (EPTA)	2,2 J
Impact power	164 J/s
Bit retainer	SDS-plus
Weight (including battery pack)	2,7 kg

Order number 600210670



## 18 Volt Cordless Flat Head Angle Grinder

### WF 18 LTX 125 Quick

- Fast progress in tight spaces with fabricated angles down to 43°, thanks to the extremely flat gear head design
- Increased productivity: up to 66% time saving
- Low-fatigue operation thanks to slim body

#### Scope of delivery

1 lamellar grinding disc "Flexiamant Super Convex" (125 mm, P 60), protective cover, inner support flange, quick adjusting nut, side handle, dust filter, 2 LiHD battery packs (18 V/5.5 Ah), charger ASC 30-36 V "AIR COOLED", plastic carry case

Technical data	WF 18 LTX 125 Quick
Grinding wheel Ø	125 mm
Min. accessible angle	43°
No-Load Speed	8.000/min
Revolutions at rated load	7.000/min
Spindle thread	M 14
Weight (including battery pack)	2,6 kg

Order number 601306660



## 18 Volt Cordless Crosscut Saw

### KGS 18 LTX 216 with sliding function

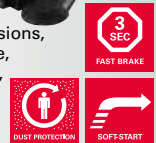
- Powerful cordless crosscut saw perfect for assembly jobs with high volume of cuts
- Ideal for sawing panels up to 305 mm wide and square timber up to 60mm thick
- Compact light weight, suitable also for one-handed transport

#### Scope of delivery

Carbide saw blade (40 teeth), 2 integrated table extensions, length stop, material clamp, tool for saw blade change, chip collection bag, 2 LiHD battery packs (18 V/5.5 Ah), "AIR COOLED" ASC 30-36 V charger

Technical data	KGS 18 LTX 216
No-Load Speed	4.200/min
Max. cutting width 90°/45°	305/205 mm
Max. cutting depth at 90°/45°	65/36 mm
Saw blade	Ø 216 x 30 mm
Weight (including battery pack)	13,8 kg

Order number 619001660



## 18 Volt Cordless Impact Drill

### SB 18 LT

- High-performance impact mechanism for optimum drilling performance.
- Extremely powerful thanks to the powerful Metabo 4-pole motor for quick drilling and screwdriving

#### Scope of delivery

Quick-change drill chuck, belt hook and bit storage, 2 LiHD battery packs (18 V/3.1 Ah), ASC 30-36 V "AIR COOLED" charger, plastic carry case

Technical data	SB 18 LT
No-Load Speed	0–450/0–1.600/min
Max. torque soft/hard	34 Nm/60 Nm
Drill Ø	
Masonry/steel/wood	13/13/38 mm
Weight (including battery pack)	1,7 kg

Order number 602103670



## 18 Volt Cordless Drill/Screwdriver

### BS 18 LT

- Extremely powerful thanks to the powerful Metabo 4-pole motor for quick drilling and screwdriving

#### Scope of delivery

Quick-change drill chuck, belt hook and bit storage, 2 LiHD battery packs (18 V/3.1 Ah), ASC 30-36 V "AIR COOLED" charger, plastic carry case

Technical data	BS 18 LT
No-Load Speed	0–450/0–1.600/min
Max. torque soft/hard	34 Nm/60 Nm
Drill Ø steel/wood	13/38 mm
Weight (including battery pack)	1,6 kg

Order number 602102670



## 18 Volt Brushless Impact Wrench

### SSW 18 LTX 200

- High torque machine with low kick-back torque
- Three speed/torque levels for varied ranges of applications

Also available with hexagon recess: SSD 18 LTX 200 (602196670)

#### Scope of delivery

Belt hook and bit storage, 2 LiHD battery packs (18 V/3.1 Ah), ASC 30-36 V "AIR COOLED" charger, moulded carry case, accessory set

Technical data	SSW 18 LTX 200
Bit retainer	Male square drive 1/2" (12,70 mm)
No-Load Speed	0–2.300/min
Maximum torque	210 Nm
Weight (including battery pack)	1,4 kg

Order number 602195670



## 18 Volt Brushless Impact Wrench

### SSW 18 LTX 400 BL

- Unique Metabo brushless motor for quick work progress and highest efficiency for any application
- Twelve speed/torque levels for a wide range of applications
- High torque accompanied by an exceptionally compact design

### Brushless Technology

#### Scope of delivery

Belt hook, 2 LiHD battery packs (18 V/3.1 Ah), ASC 30-36 V "AIR COOLED" charger, plastic carry case

Technical data	SSW 18 LTX 400 BL
Bit retainer	Male square drive 1/2" (12,70 mm)
No-Load Speed	0–2.150/min
Maximum torque	400 Nm
Weight (including battery pack)	1,7 kg

Order number 602205670



## 18 Volt Cordless Impact Drill

### SB 18 LTX Quick

- High-performance impact mechanism for optimum drilling performance.
- Metabo "Quick" System: Quick change of tool holder and bits, ideal for fast and convenient change of applications
- Extremely powerful thanks to Metabo 4-pole motor

#### Scope of delivery

Quick-change drill chuck, quick change bit holder, side handle, belt hook and bit storage, 2 LiHD battery packs (18 V/5.5 Ah), ASC 30-36 V "AIR COOLED" charger, plastic carry case

Technical data	SB 18 LTX Quick
No-Load Speed	0–500/0–1.700 /min
Max. torque soft/hard	55 Nm/110 Nm
Drill Ø	
Masonry/steel/wood	16/13/65 mm
Weight (including battery pack)	2,3 kg

Order number 602200660



## 18 Volt Cordless Drill/Screwdrivers

### BS 18 LTX Quick

- Metabo "Quick" System: Quick change of tool holder and bits, ideal for fast and convenient change of applications
- Extremely powerful thanks to the powerful Metabo 4-pole motor for quick drilling and screwdriving

#### Scope of delivery

Quick-change drill chuck, quick change bit holder, side handle, belt hook and bit storage, 2 LiHD battery packs (18 V/5.5 Ah), ASC 30-36 V "AIR COOLED" charger, plastic carry case

Technical data	BS 18 LTX Quick
No-Load Speed	0–500/0–1.700/min
Max. torque soft/hard	55 Nm/110 Nm
Drill Ø steel/wood	13/65 mm
Weight (including battery pack)	2,2 kg

Order number 602193660

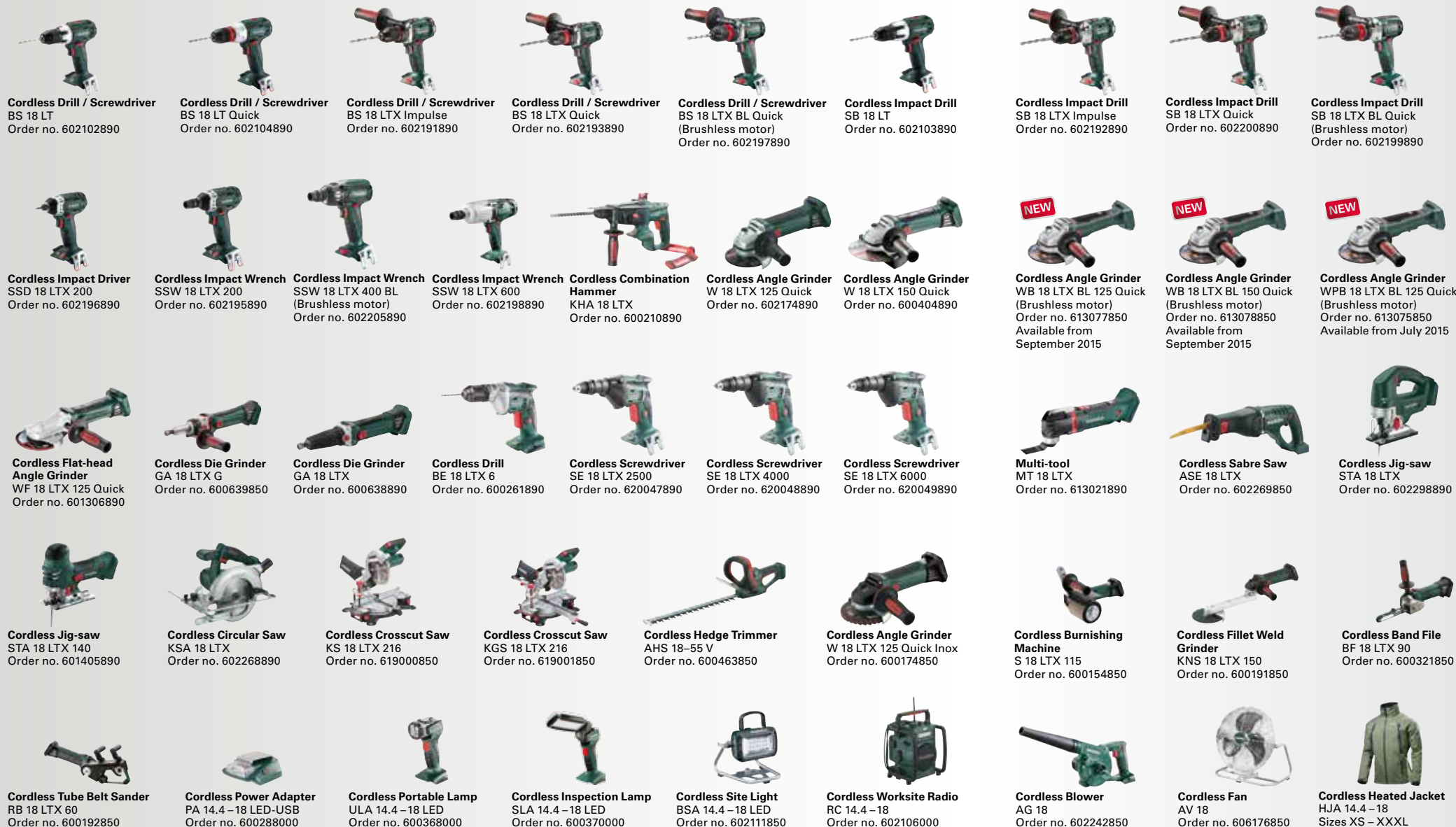




# PICK+MIX 18 VOLT: YOUR INDIVIDUAL FREEDOM



## 1. Machines



## 2. Battery packs and chargers

Basic Sets	
	Basic Set 2 x 5.2 Ah 2x Battery pack 5.2 Ah 1x Charger ASC 30 – 36 V Order no. 685051000
	Basic Set 2 x 4.0 Ah 2x Battery pack 4.0 Ah 1x Charger ASC 30 – 36 V Order no. 685050000
	Basic Set 2 x 5.2 Ah 3x Battery pack 5.2 Ah 1x Charger ASC 30 – 36 V Order no. 685048000
	Basic Set 5.2 Ah ASC Ultra 3x Battery pack 5.2 Ah 1x Charger ASC Ultra Order no. 685061000
	Basic Set 3 x 4.0 Ah 3x Battery pack 4.0 Ah 1x Charger ASC 30 – 36 V Order no. 685049000
	Basic Set 3 x LiHD 5.5 Ah 3x Battery pack LiHD 5.5 Ah 1x Charger ASC 30 – 36 V Order no. 685074000
	Basic Set 3 x LiHD 3.1 Ah 3x Battery pack LiHD 3.1 Ah 1x Charger ASC 30 – 36 V Order no. 685076000
Battery packs	
	18V/2.0 Ah Order no. 625596000
	18V/4.0 Ah Order no. 625591000
	18V/5.2 Ah Order no. 625592000
	18V / LiHD 3.1 Ah Order no. 625343000
	18V / LiHD 5.5 Ah Order no. 625342000
	18V / LiHD 6.2 Ah Order no. 625341000
Chargers	
	Quick Charger ASC Ultra Order no. 627265000
	Charger ASC 30 – 36 V Order no. 627044000

### IT'S SO SIMPLE:

1. Select the machine you want
2. Select the battery packs and charger you want
3. Select the transport / storage solution

Enjoy several benefits: After all, you only pay for the machines, the charger, the battery packs and the transportation options that you really need!  
No more and no less.



MetaLoc  
insert



FREE

All machines\*\* and basic sets come with a matching insert for MetaLoc storage.

## 3. Transport and storage

MetaLoc	
	MetaLoc size II (empty) Order no. 626431000
	MetaLoc size II (incl. foam insert) Order no. 626449000
	MetaLoc size III (empty) Order no. 626432000
	MetaLoc size IV (empty) Order no. 626433000



Tool bags	
	Small tool bag Order no. 657006000
	Large tool bag Order no. 657007000

\*\*Exceptions: cordless sabre saw, cordless site radio, cordless site light, cordless burnishing machine, cordless fillet weld grinder, cordless tube belt sander, cordless angle grinder W 18 LTX 125 Inox, cordless band file, cordless die grinder GA 18 LTX G, cordless portable lamp, cordless inspection lamp, cordless hedge trimmer, cordless crosscut saws, cordless power adapter, cordless heated jacket, cordless blower, cordless fan.



## Metabo - always near you.

With 1,800 employees, 25 subsidiary sales companies and 100 importers on all continents, we have a global presence on site - and always there when and wherever you need us.



Your Metabo dealer:

**XXL**  
3 YEARS  
WARRANTY

### The Metabo 3-year warranty

We provide an extra XXL warranty on all our products. Simply register your product online within 4 weeks of purchase and your standard guarantee is extended to three years.

Register at [www.metabo.com/xxl](http://www.metabo.com/xxl)

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D-72622 Nürtingen  
[www.metabo.com](http://www.metabo.com)



**metabo**®  
PROFESSIONAL POWER TOOL SOLUTIONS